

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/501,566B
Source: IFWP
Date Processed by STIC: 06/29/2006

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 06/29/2006

PATENT APPLICATION: US/10/501,566B

TIME: 15:03:40

Input Set : A:\3015US0P.SEQ.txt

Output Set: N:\CRF4\06292006\J501566B.raw

3 <110> APPLICANT: UNO, Yumiko
 4 HIKICHI, Yukiko
 5 SAGIYA, Yoji
 6 NAKANISHI, Atsushi
 8 <120> TITLE OF INVENTION: Novel Protein and its DNA
 10 <130> FILE REFERENCE: 3015US0P
 12 <140> CURRENT APPLICATION NUMBER: US 10/501,566B
 13 <141> CURRENT FILING DATE: 2004-07-15
 15 <150> PRIOR APPLICATION NUMBER: PCT/JP03/00311
 16 <151> PRIOR FILING DATE: 2003-01-16
 18 <150> PRIOR APPLICATION NUMBER: JP 2002-10840
 19 <151> PRIOR FILING DATE: 2002-01-18
 21 <150> PRIOR APPLICATION NUMBER: JP 2002-15995
 22 <151> PRIOR FILING DATE: 2002-01-24
 24 <150> PRIOR APPLICATION NUMBER: JP 2002-25662
 25 <151> PRIOR FILING DATE: 2002-02-01
 27 <150> PRIOR APPLICATION NUMBER: JP 2002-25706
 28 <151> PRIOR FILING DATE: 2002-02-01
 30 <150> PRIOR APPLICATION NUMBER: JP 2002-30015
 31 <151> PRIOR FILING DATE: 2002-02-06
 33 <150> PRIOR APPLICATION NUMBER: JP 2002-33111
 34 <151> PRIOR FILING DATE: 2002-02-08
 36 <150> PRIOR APPLICATION NUMBER: JP 2002-45058
 37 <151> PRIOR FILING DATE: 2002-02-21
 39 <150> PRIOR APPLICATION NUMBER: JP 2002-46951
 40 <151> PRIOR FILING DATE: 2002-02-22
 42 <160> NUMBER OF SEQ ID NOS: 172
 44 <210> SEQ ID NO: 1
 45 <211> LENGTH: 377
 46 <212> TYPE: PRT
 47 <213> ORGANISM: Human
 49 <400> SEQUENCE: 1
 50 Met Arg Ala Asn Cys Ser Ser Ser Ser Ala Cys Pro Ala Asn Ser Ser
 51 5 10 15
 52 Glu Glu Glu Leu Pro Val Gly Leu Glu Val His Gly Asn Leu Glu Leu
 53 20 25 30
 54 Val Phe Thr Val Val Ser Thr Val Met Met Gly Leu Leu Met Phe Ser
 55 35 40 45
 56 Leu Gly Cys Ser Val Glu Ile Arg Lys Leu Trp Ser His Ile Arg Arg
 57 50 55 60
 58 Pro Trp Gly Ile Ala Val Gly Leu Leu Cys Gln Phe Gly Leu Met Pro
 59 65 70 75 80
 60 Phe Thr Ala Tyr Leu Leu Ala Ile Ser Phe Ser Leu Lys Pro Val Gln

CP9-6)

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61		85		90		95
62	Ala Ile Ala Val Leu Ile Met Gly Cys Cys Pro Gly Gly Thr Ile Ser					
63		100		105		110
64	Asn Ile Phe Thr Phe Trp Val Asp Gly Asp Met Asp Leu Ser Ile Ser					
65		115		120		125
66	Met Thr Thr Cys Ser Thr Val Ala Ala Leu Gly Met Met Pro Leu Cys					
67		130		135		140
68	Ile Tyr Leu Tyr Thr Trp Ser Trp Ser Leu Gln Gln Asn Leu Thr Ile					
69	145		150		155	160
70	Pro Tyr Gln Asn Ile Gly Ile Thr Leu Val Cys Leu Thr Ile Pro Val					
71		165		170		175
72	Ala Phe Gly Val Tyr Val Asn Tyr Arg Trp Pro Lys Gln Ser Lys Ile					
73		180		185		190
74	Ile Leu Lys Ile Gly Ala Val Val Gly Gly Val Leu Leu Val Val					
75		195		200		205
76	Ala Val Ala Gly Val Val Leu Ala Lys Gly Ser Trp Asn Ser Asp Ile					
77		210		215		220
78	Thr Leu Leu Thr Ile Ser Phe Ile Phe Pro Leu Ile Gly His Val Thr					
79	225		230		235	240
80	Gly Phe Leu Leu Ala Leu Phe Thr His Gln Ser Trp Gln Arg Cys Arg					
81		245		250		255
82	Thr Ile Ser Leu Glu Thr Gly Ala Gln Asn Ile Gln Met Cys Ile Thr					
83		260		265		270
84	Met Leu Gln Leu Ser Phe Thr Ala Glu His Leu Val Gln Met Leu Ser					
85		275		280		285
86	Phe Pro Leu Ala Tyr Gly Leu Phe Gln Leu Ile Asp Gly Phe Leu Ile					
87		290		295		300
88	Val Ala Ala Tyr Gln Thr Tyr Lys Arg Arg Leu Lys Asn Lys His Gly					
89	305		310		315	320
90	Lys Lys Asn Ser Gly Cys Thr Glu Val Cys His Thr Arg Lys Ser Thr					
91		325		330		335
92	Ser Ser Arg Glu Thr Asn Ala Phe Leu Glu Val Asn Glu Glu Gly Ala					
93		340		345		350
94	Ile Thr Pro Gly Pro Pro Gly Pro Met Asp Cys His Arg Ala Leu Glu					
95		355		360		365
96	Pro Val Gly His Ile Thr Ser Cys Glu					
97		370		375		
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100	<211> LENGTH: 1131					
101	<212> TYPE: DNA					
102	<213> ORGANISM: Human					
104	<400> SEQUENCE: 2					
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106	ccagtgggac tggaggtgca tggaaacctg gagctcggtt tcacagtggg gtccactgtg	120				
107	atgatggggc tgctcatgtt ctctttggga tgttcctggg agatccggaa gctgtggtcg	180				
108	cacatcagga gaccctgggg cattgctgtg ggactgctct gccagtttgg gctcatgcct	240				
109	tttacagctt atctcctggc cattaagctt tctctgaagc cagtccaagc tattgctgtt	300				
110	ctcatcatgg gctgctgccc ggggggcacc atctctaaca ttttcacctt ctgggttgat	360				
111	ggagatatgg atctcagcat cagtatgaca acctgttcca ccgtggccgc cctgggaatg	420				

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112 atgccactct gcatttatct ctacacctgg tcctggagtc ttcagcagaa tctcaccatt 480
113 ccttatcaga acataggaat tacccttggtg tgcctgacca ttctgtggc ctttgggtgtc 540
114 tatgtgaatt acagatggcc aaaacaatcc aaaatcattc tcaagattgg ggccgttggt 600
115 ggtgggggtcc tccttctggt ggtcgcagtt gctgggtgtg tcctggcgaa aggatcttgg 660
116 aattcagaca tcacccttct gaccatcagt ttcattcttc ctttgattgg ccatgtcacg 720
117 ggttttctgc tggcactttt taccaccag tcttgcaaa ggtgcaggac aatttcctta 780
118 gaaactggag ctcagaatat tcagatgtgc atcaccatgc tccagttatc tttcactgct 840
119 gagcacttgg tccagatggt gagtttccca ctggcctatg gactcttcca gctgatagat 900
120 ggatttctta ttgttgacgc atatcagacg tacaagagga gattgaagaa caaacatgga 960
121 aaaaagaact caggttgacac agaagtctgc catacgagga aatcgacttc ttccagagag 1020
122 accaatgcct tcttgagggt gaatgaagaa ggtgccatca ctctggggcc accagggcca 1080
123 atggattgcc acagggctct cgagccagtt ggccacatca cttcatgtga a 1131
125 <210> SEQ ID NO: 3
126 <211> LENGTH: 24
127 <212> TYPE: DNA
128 <213> ORGANISM: Artificial Sequence
130 <220> FEATURE:
131 <223> OTHER INFORMATION: Primer
133 <400> SEQUENCE: 3
134 aatgctgcct taaggagatg agga 24
136 <210> SEQ ID NO: 4
137 <211> LENGTH: 24
138 <212> TYPE: DNA
139 <213> ORGANISM: Artificial Sequence
141 <220> FEATURE:
142 <223> OTHER INFORMATION: Primer
144 <400> SEQUENCE: 4
145 cactggccct accaacaaga ttca 24
147 <210> SEQ ID NO: 5
148 <211> LENGTH: 24
149 <212> TYPE: DNA
150 <213> ORGANISM: Artificial Sequence
152 <220> FEATURE:
153 <223> OTHER INFORMATION: Primer
155 <400> SEQUENCE: 5
156 atgagagcca attgttccag cagc 24
158 <210> SEQ ID NO: 6
159 <211> LENGTH: 24
160 <212> TYPE: DNA
161 <213> ORGANISM: Artificial Sequence
163 <220> FEATURE:
164 <223> OTHER INFORMATION: Primer
166 <400> SEQUENCE: 6
167 ccagccagct agtccctgct attc 24
169 <210> SEQ ID NO: 7
170 <211> LENGTH: 18
171 <212> TYPE: DNA
172 <213> ORGANISM: Artificial Sequence
174 <220> FEATURE:

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180 <210> SEQ ID NO: 8
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183 <213> ORGANISM: Artificial Sequence
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186 <223> OTHER INFORMATION: Primer
188 <400> SEQUENCE: 8
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191 <210> SEQ ID NO: 9
192 <211> LENGTH: 24
193 <212> TYPE: DNA
194 <213> ORGANISM: Artificial Sequence
196 <220> FEATURE:
197 <223> OTHER INFORMATION: Primer
199 <400> SEQUENCE: 9
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202 <210> SEQ ID NO: 10
203 <211> LENGTH: 24
204 <212> TYPE: DNA
205 <213> ORGANISM: Artificial Sequence
207 <220> FEATURE:
208 <223> OTHER INFORMATION: Primer
210 <400> SEQUENCE: 10
211 agttgctggt gtggtcctgg cgaa 24
213 <210> SEQ ID NO: 11
214 <211> LENGTH: 1152
215 <212> TYPE: DNA
216 <213> ORGANISM: Human
218 <400> SEQUENCE: 11
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220 ccagtgggac tggaggtgca tggaaacctg gagctcgttt tcacagtggg gtccactgtg 120
221 atgatggggc tgctcatgtt ctctttggga tgttccgtgg agatccggaa gctgtggtcg 180
222 cacatcagga gacctgggg cattgctgtg ggactgctct gccagtttgg gctcatgcct 240
223 ttacagctt atctcctggc cattagcttt tctctgaagc cagtccaagc tattgctgtt 300
224 ctcatcatgg gctgctgccc ggggggcacc atctctaaca ttttcacctt ctgggttgat 360
225 ggagatatgg atctcagcat cagtatgaca acctgttcca ccgtggccgc cctgggaatg 420
226 atgccactct gcatttatct ctacacctgg tcttgagtc ttcagcagaa tctcaccatt 480
227 ccttatcaga acataggaat tacccttggt tgctgacca ttctgtggc ctttggtgtc 540
228 tatgtgaatt acagatggcc aaaacaatcc aaatcattc tcaagattgg ggccgttggt 600
229 ggtgggggtc tccttctggt ggtcgcagtt gctggtgtgg tcctggcgaa aggatcttgg 660
230 aattcagaca tcaccttctt gaccatcagt tcatcttct ctttgattgg ccatgtcacg 720
231 ggttttctgc tggcactttt taccaccag tcttgcaaa ggtgcaggac aatttcctta 780
232 gaaactggag ctcaagaatat tcagatgtgc atcaccatgc tccagttatc tttcactgct 840
233 gagcacttgg tccagatgtt gagtttccca ctggcctatg gactcttcca gctgatagat 900
234 ggatttctta ttgttgacgc atatcagacg tacaagagga gattgaagaa caaacatgga 960
235 aaaaagaact caggttgac agaatctgc catcacgagga aatcgacttc ttccagagag 1020

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Input Set : A:\3015US0P.SEQ.txt

Output Set: N:\CRF4\06292006\J501566B.raw

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236 accaatgcct tcttggaggt gaatgaagaa ggtgccatca ctctctgggcc accagggcca 1080
237 atggattgcc acagggctct cgagccagtt ggccacatca cttcatgtga atagcagga 1140
238 ctactgtgct gg                                     1152
240 <210> SEQ ID NO: 12
241 <211> LENGTH: 1152
242 <212> TYPE: DNA
243 <213> ORGANISM: Human
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247 ccagtgggac tggaggtgca tggaaacctg gagctcgttt tcacagtggg gtccactgtg 120
248 atgatggggc tgctcatgtt ctctttggga tgttcctggg agatccggaa gctgtggtcg 180
249 cacatcagga gacctggggc cattgctgtg ggactgctct gccagtttgg gctcatgcct 240
250 ttacagctt atctcctggc cattaagctt tctctgaagc cagtccaagc tattgctgtt 300
251 ctcatcatgg gctgctgccc ggggggcacc atctctaagc ttttcacctt ctgggttgat 360
252 ggagatatgg atctcagcat cagtatgaca acctgttcca ccgtggccgc cctgggaatg 420
253 atgccactct gcatttatct ctacacctgg tccctggagtc ttcagcagaa tctcaccatt 480
254 ccttatcaga acataggaat tacccttggt tgccctgacca ttcctgtggc ctttgggtgtc 540
255 tatgtgaatt acagatggcc aaaacaatcc aaaatcattc tcaagattgg ggccgttggt 600
256 ggtgggggtc tccttctggt ggtcgcagtt gctggtgtgg tcctggcgaa aggatcttgg 660
257 aattcagaca tcaccttctt gaccatcagt ttcattcttc ctttgattgg ccatgtcacg 720
258 ggttttctgc tggcactttt taccaccag tcttgcaaaa ggtgcaggac aatttcctta 780
259 gaaactggag ctcaagaatc tcagatgtgc atcaccatgc tccagttatc tttcactgct 840
260 gagcacttgg tccagatgtt gagtttccca ctggcctatg gactcttcca gctgatagat 900
261 ggatttctta ttgttgacgc atatcagacg tacaagagga gattgaagaa caaacatgga 960
262 aaaaagaact caggttgacac agaagtctgc catcagagga aatcgacttc ttccagagag 1020
263 accaatgcct tcttggaggt gaatgaagaa ggtgccatca ctctctgggcc accagggcca 1080
264 atggattgcc acagggctct cgagccagtt ggccacatca cttcatgtga atagcagga 1140
265 ctactgtgct gg                                     1152
267 <210> SEQ ID NO: 13
268 <211> LENGTH: 1131
269 <212> TYPE: DNA
270 <213> ORGANISM: Human
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274 ccagtgggac tggaggtgca tggaaacctg gagctcgttt tcacagtggg gtccactgtg 120
275 atgatggggc tgctcatgtt ctctttggga tgttcctggg agatccggaa gctgtggtcg 180
276 cacatcagga gacctggggc cattgctgtg ggactgctct gccagtttgg gctcatgcct 240
277 ttacagctt atctcctggc cattaagctt tctctgaagc cagtccaagc tattgctgtt 300
278 ctcatcatgg gctgctgccc ggggggcacc atctctaagc ttttcacctt ctgggttgat 360
279 ggagatatgg atctcagcat cagtatgaca acctgttcca ccgtggccgc cctgggaatg 420
280 atgccactct gcatttatct ctacacctgg tccctggagtc ttcagcagaa tctcaccatt 480
281 ccttatcaga acataggaat tacccttggt tgccctgacca ttcctgtggc ctttgggtgtc 540
282 tatgtgaatt acagatggcc aaaacaatcc aaaatcattc tcaagattgg ggccgttggt 600
283 ggtgggggtc tccttctggt ggtcgcagtt gctggtgtgg tcctggcgaa aggatcttgg 660
284 aattcagaca tcaccttctt gaccatcagt ttcattcttc ctttgattgg ccatgtcacg 720
285 ggttttctgc tggcactttt taccaccag tcttgcaaaa ggtgcaggac aatttcctta 780
286 gaaactggag ctcaagaatc tcagatgtgc atcaccatgc tccagttatc tttcactgct 840
287 gagcacttgg tccagatgtt gagtttccca ctggcctatg gactcttcca gctgatagat 900
288 ggatttctta ttgttgacgc atatcagacg tacaagagga gattgaagaa caaacatgga 960

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:116; N Pos. 811,812

VERIFICATION SUMMARY

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L:2323 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:116 after pos.:780